

SEQUENCE LISTING

<110> Shionogi & Co., Ltd

<120> Drug for inhibiting myometrial contraction.

<130> S0043PCT

<140>

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<150> JP P1999-177548

<151> 1999-06-23

<150> JP P2000-79171

<151> 1999-03-21

<160> 6

<170> PatentIn Ver. 2.0

<210> 1

<211> 1457

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (165)..(719)

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<221> mat peptide

<222> (447)..(602)

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cttggacattc ggatgtttgc cattgccagt gggacgtctg agactttctc cttaagttac 120

gaaagagaaa gactgattac cccctgtgtc gaagaaggaa acaccgagtc tcgtataat 1419

ctatttacat aaaatgggtg atatgcgaac agcaaacc 1457

<210> 2

<211> 185

<212> PRT

<213> Homo sapiens

<400> 2

Met Lys Leu Val Ser Val Ala Leu Met Tyr Leu Gly Ser Leu Ala Phe
-90 -85 -80

Leu Gly Ala Asp Thr Ala Arg Leu Asp Val Ala Ser Glu Phe Arg Lys
-75 -70 -65

Lys Trp Asn Lys Trp Ala Leu Ser Arg Gly Lys Arg Glu Leu Arg Met
-60 -55 -50

Ser Ser Ser Tyr Pro Thr Gly Leu Ala Asp Val Lys Ala Gly Pro Ala
-45 -40 -35

Gln Thr Leu Ile Arg Pro Gln Asp Met Lys Gly Ala Ser Arg Ser Pro
-30 -25 -20 -15

Glu Asp Ser Ser Pro Asp Ala Ala Arg Ile Arg Val Lys Arg Tyr Arg
-10 -5 -1 1

Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys Arg Phe
5 10 15

Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr
20 25 30

Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser Pro Gln

35 40 45 50

Gly Tyr Gly Arg Arg Arg Arg Ser Leu Pro Glu Ala Gly Pro Gly

55 60 65

Arg Thr Leu Val Ser Ser Lys Pro Gln Ala His Gly Ala Pro Ala Pro

70 75 80

Pro Ser Gly Ser Ala Pro His Phe Leu

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<210> 3

<211> 1493

<212> DNA

<213> Sus scrofa

<220>

<221> CDS

<222> (148)..(711)

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<221> mat peptide

<222> (430)..(585)

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tagCAGGGTC tGCACATCTC AGCCGGG ATG AAG CTG GTT CCC Gta GCC CTC ATG 174

Met Lys Leu Val Pro Val Ala Leu Met

-90

taC CTG GGC TCG CTC GCC TtC CTG GGC GCT GAC ACA GCT CGG CTC GAC 222

Tyr Leu Gly Ser Leu Ala Phe Leu Gly Ala Asp Thr Ala Arg Leu Asp

-85	-80	-75	-70	
				270
gtg gcg gca gag ttc cga aag aaa tgg aat aag tgg gct cta agt cgt				270
Val Ala Ala Glu Phe Arg Lys Lys Trp Asn Lys Trp Ala Leu Ser Arg				
-65	-60	-55		
				318
gga aaa aga gaa ctt cgg ctg tcc agc agc tac ccc acc ggg atc gcc				318
Gly Lys Arg Glu Leu Arg Leu Ser Ser Ser Tyr Pro Thr Gly Ile Ala				
-50	-45	-40		
				366
gac ttg aag gcc ggg cct gcc cag act gtc att cgg ccc cag gat gtg				366
Asp Leu Lys Ala Gly Pro Ala Gln Thr Val Ile Arg Pro Gln Asp Val				
-35	-30	-25		
				414
aag ggc tcc tct cgc agc ccc cag gcc agc att ccg gat gca gcc cgc				414
Lys Gly Ser Ser Arg Ser Pro Gln Ala Ser Ile Pro Asp Ala Ala Arg				
-20	-15	-10		
				462
atc cga gtc aag cgc tac cgc cag agt atg aac aac ttc cag ggc ctg				462
Ile Arg Val Lys Arg Tyr Arg Gln Ser Met Asn Asn Phe Gln Gly Leu				
-5	-1	1	5	10
				510
cgg agc ttc ggc tgt cgc ttt ggg acg tgc acc gtg cag aag ctg gcg				510
Arg Ser Phe Gly Cys Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala				
15	20	25		
				558
cac cag atc tac cag ttc acg gac aaa gac aag gac ggc gtc gcc ccc				558
His Gln Ile Tyr Gln Phe Thr Asp Lys Asp Lys Asp Gly Val Ala Pro				
30	35	40		
				606
cgg agc aag atc agc ccc cag ggc tac ggc cgc cgg cgc cga cgc tct				606
Arg Ser Lys Ile Ser Pro Gln Gly Tyr Gly Arg Arg Arg Arg Ser				
45	50	55		
				654
ctg ccc gaa gcc agc ctg ggc cgg act ctg agg tcc cag gag cca cag				654
Leu Pro Glu Ala Ser Leu Gly Arg Thr Leu Arg Ser Gln Glu Pro Gln				

60

65

70

75

gcg cac ggg gcc ccg gcc tcc ccg gcg cat caa gtg ctc gcc act ctc 702
 Ala His Gly Ala Pro Ala Ser Pro Ala His Gln Val Leu Ala Thr Leu
 80 85 - 90

ttt agg att taggcgccta cttggcagc agcgaacagt cgcgcatgca 751
Phe Arg Ile

tcatgccgc gcttcctggg gcggggggct tcccgagcc gagccccca gcggctgggg 811

ccgggcaga gacagcattg agagaccgag agtccgggag gcacagatcca gcggcgagcc 871

ctgcatttc aggaacccgt cctgcgttggaa ggcagtgttc tcttcggctt aatccagccc 931

gggtccccgg gtgggggtgg agggtgtcaga ggaatccaaa ggagtgtcat ctgccaggct 991

cacggagagg agaaactgcg aagttaatgc tttagaccccc aggggcaagg gtctgagcca 1051

c tgccgtgcc gccccacaaac tggatttcgaa aggggaataa ccccaacagg gcgcacggct 1111

cactattact tgaaccttcc aaaaccta ga gaggaaaagt gcaatgtatg ttgtatataa 1171

agaggtaact atcaatattt aagtttgttg ctgtcaagat ttttttttgt aacttcaaat 1231

atagagatat ttgtacgt tatatatgt attaaggca tttaaaaca attgtattgt 1291

tccccctcccc tctattttaa tatgtgaatg tctcagcgag gtgtaacatt gtttgctgcg 1351

cggaaatgtga gagtgtgtgt gtgtgtgtgc gtgaaaagaga gtcgtggatgc ctcttgggga 1411

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<210> 4

<211> 188

<212> PRT

<213> Sus scrofa

<400> 4

Met Lys Leu Val Pro Val Ala Leu Met Tyr Leu Gly Ser Leu Ala Phe
-90 -85 -80

Leu Gly Ala Asp Thr Ala Arg Leu Asp Val Ala Ala Glu Phe Arg Lys
-75 -70 -65

Lys Trp Asn Lys Trp Ala Leu Ser Arg Gly Lys Arg Glu Leu Arg Leu
-60 -55 -50

Ser Ser Ser Tyr Pro Thr Gly Ile Ala Asp Leu Lys Ala Gly Pro Ala
-45 -40 -35

Gln Thr Val Ile Arg Pro Gln Asp Val Lys Gly Ser Ser Arg Ser Pro
-30 -25 -20 -15

Gln Ala Ser Ile Pro Asp Ala Ala Arg Ile Arg Val Lys Arg Tyr Arg
-10 -5 -1 1

Gln Ser Met Asn Asn Phe Gln Gly Leu Arg Ser Phe Gly Cys Arg Phe
5 10 15

Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr
20 25 30

Asp Lys Asp Lys Asp Gly Val Ala Pro Arg Ser Lys Ile Ser Pro Gln
35 40 45 50

Gly Tyr Gly Arg Arg Arg Arg Ser Leu Pro Glu Ala Ser Leu Gly
55 60 65

Arg Thr Leu Arg Ser Gln Glu Pro Gln Ala His Gly Ala Pro Ala Ser
70 75 80

Pro Ala His Gln Val Leu Ala Thr Leu Phe Arg Ile
85 90

<210> 5
<211> 1376
<212> DNA
<213> Rattus norvegicus

<220>
<221> CDS
<222> (154)..(708)

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<221> mat peptide
<222> (433)..(582)

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ccctttcagca gggtaatcgga gcaatcgciac aga atg aag ctg gtt tcc atc gcc 174
Met Lys Leu Val Ser Ile Ala
-90

ctg atg tta ttg ggt tcg ctc gcc gtt ctc ggc gcg gac acc gca cgg 222
Leu Met Leu Leu Gly Ser Leu Ala Val Leu Gly Ala Asp Thr Ala Arg
-85 -80 -75

ctc gac act tcc tcg cag ttc cga aag aag tgg aat aag tgg gcg cta 270
Leu Asp Thr Ser Ser Gln Phe Arg Lys Lys Trp Asn Lys Trp Ala Leu
-70 -65 -60 -55

agt cgt ggg aag agg gaa cta caa gcg tcc agc agc tac cct acg ggg			318	
Ser Arg Gly Lys Arg Glu Leu Gln Ala Ser Ser Ser Tyr Pro Thr Gly				
-50	-45	-40		
ctc gtt gat gag aag aca gtc ccg acc cag act ctt ggg ctc cag gac			366	
Leu Val Asp Glu Lys Thr Val Pro Thr Gln Thr Leu Gly Leu Gln Asp				
-35	-30	-25		
aag cag agc acg tct agc acc cca caa gcc agc act cag agc aca gcc			414	
Lys Gln Ser Thr Ser Ser Thr Pro Gln Ala Ser Thr Gln Ser Thr Ala				
-20	-15	-10		
cac att cga gtc aaa cgc tac cgc cag agc atg aac cag ggg tcc cgc			462	
His Ile Arg Val Lys Arg Tyr Arg Gln Ser Met Asn Gln Gly Ser Arg				
-5	-1	1	5	10
agc act gga tgc cgc ttt ggg acc tgc aca atg cag aaa ctg gct cac			510	
Ser Thr Gly Cys Arg Phe Gly Thr Cys Thr Met Gln Lys Leu Ala His				
15	20	25		
cag atc tac cag ttt aca gac aaa gac aag gac ggc atg gcc ccc aga			558	
Gln Ile Tyr Gln Phe Thr Asp Lys Asp Lys Asp Gly Met Ala Pro Arg				
30	35	40		
aac aag atc agc cct caa ggc tat ggc cgc cgg cgc cgg cgt tcc ctg			606	
Asn Lys Ile Ser Pro Gln Gly Tyr Gly Arg Arg Arg Arg Arg Ser Leu				
45	50	55		
cca gag gtc ctc cga gcc cgg act gig gag tcc tcc cag gag cag aca			654	
Pro Glu Val Leu Arg Ala Arg Thr Val Glu Ser Ser Gln Glu Gln Thr				
60	65	70		
cac tca gct cca gcc tcc ccg gcg cac caa gac atc tcc aga gtc tct			702	
His Ser Ala Pro Ala Ser Pro Ala His Gln Asp Ile Ser Arg Val Ser				
75	80	85	90	

agg tta taggtgcggg tggcagcatt gaacagtgg gcgagtatcc catggcgcc 758
Arg Leu

tgcggaatca gagagcttcg caccctgagc ggactgagac aatcttgcag agatctgcct 818

ggctgcccctt aggggaggca gaggaaccca agatcaagcc aggctcacgt cagaaaccga 878

gaattacagg ctgatactctt cccgggcag gggcttgagc cactgccctt cccgttcata 938

aactggttttt ctcacggggc atacggctca ttacttactt gaactttcca aaaccttagcg 998

aggaaaatgtt caatgtttgtt tatacagccca aaggttaacta tcataattaa gttttgtt 1058

gtcaagaggtttttttttt gtaacttcaa atatatagaa atattttgtt acgtttatata 1118

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tgtctcagca aggtgtttaagg ttgtttggttt ccgtgtgtgt gtgtgtgtgt gtgtgtgtgt 1238

gtgtgtgtgt gtgtgtgtaa ggtggagagc gcctgattac cgccgtggaa tgaagaaaaa 1298

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taaactgtctt caatgttg 1376

<210> 6

<211> 185

<212> PRT

<213> Rattus norvegicus

<400> 6

Met Lys Leu Val Ser Ile Ala Leu Met Leu Leu Gly Ser Leu Ala Val

-90

-85

-80

Leu Gly Ala Asp Thr Ala Arg Leu Asp Thr Ser Ser Gln Phe Arg Lys
-75 -70 -65

Lys Trp Asn Lys Trp Ala Leu Ser Arg Gly Lys Arg Glu Leu Gln Ala
-60 -55 -50

Ser Ser Ser Tyr Pro Thr Gly Leu Val Asp Glu Lys Thr Val Pro Thr
-45 -40 -35 -30

Gln Thr Leu Gly Leu Gln Asp Lys Gln Ser Thr Ser Ser Thr Pro Gln
-25 -20 -15

Ala Ser Thr Gln Ser Thr Ala His Ile Arg Val Lys Arg Tyr Arg Gln
-10 -5 -1 1

Ser Met Asn Gln Gly Ser Arg Ser Thr Gly Cys Arg Phe Gly Thr Cys
5 10 15

Thr Met Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr Asp Lys Asp
20 25 30 35

Lys Asp Gly Met Ala Pro Arg Asn Lys Ile Ser Pro Gln Gly Tyr Gly
40 45 50

Arg Arg Arg Arg Ser Leu Pro Glu Val Leu Arg Ala Arg Thr Val
55 60 65

Glu Ser Ser Gln Glu Gln Thr His Ser Ala Pro Ala Ser Pro Ala His
70 75 80

Gln Asp Ile Ser Arg Val Ser Arg Leu
85 90